



## Ice Warning Lights

360° Amber Colour flashing Light. High Brightness: 5 last generation LEDs. GPRS Module for Control Commands via SMS to mobile phone.

### Main features:

#### Energy\_

Solar Powered Light Signalling System. High efficiency photovoltaic solar panel.

#### Energy Control\_

CPU Control Unit for electronic charge control and regulation.

#### Control Commands\_

GPRS Module. SIM card installed in the beacon will receive and send SMS to a connected Mobile phone (\*)

#### Autonomy\_

12 days with fog and/or clouds, but situated to receive radiation on a sunny day (diffuse light).

#### Operative life\_

5 years in unfavourable weather conditions.

#### Range temperature\_

- 25° C + 50° C

#### Constructed\_

Polycarbonate PMMA and Luran technical plastic.

Impact resistant, UV rays, saline conditions, corrosion, high and low temperatures.

External battery box IP 66, wired to beacon

#### Light Source\_

5 High Intensity LEDs, Omni directional Visibility. Only Flashing Light.

More than 100,000 operative life.



# Ice Warning Lights IV\_11.1 32 Cd



## Advantages

External box with access for charging battery (voltage: 6 V).

Safety, reliability and high luminous performance.

Solar energy without maintenance. Environment friendly. Without electricity consumption and without battery replacement.

## Specifications carried out

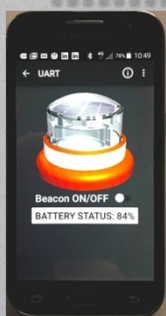
1. Electromagnetic compatibility test under ENE EN 61000-4-3 (98) (radiation immunity) regulations.
2. Measurement tests of the degree of protection for the first and second feature figure under UNE 20-324-93 (EN 60520: 1991 + Erratum: 1993) (code IP IP 6x IP-66) regulations.
3. Luminous photometric distribution measurement tests, polar curves. Luminous range, Exp. 21006536.
4. Cyclical humid heat test, under UNE-EN-60068-2-30:00 regulations.
5. Cyclical humid heat/cold test -10°C +80°C, under UNE-EN 60068-2-14:00 regulations.
6. Fast corrosion of neutral saline fog test over a 168 hour period, under NSS ISO 9227:1990 regulations.
7. Dry heat test. Climatic chamber up to 50°C, under UNE-EN 60068-2-2:97 regulations.
8. Measurement test of the protective casing, under UNE-EN 50102:96 A1:99 Degree IK08.
9. Measurement test of the protective casing at an ambient temperature of -50°C, under UNE-EN 50102:96+A1:99. IK transparent casing. IK08 opaque casing.
10. 16 hours climatic chamber test at -33°C, under UNE-EN 0068-2-1:96.
11. Test concerning the specifications UNE-EN 12352:2000. Setting that the IVSolar Beacon fulfills all the device class L2L features..
12. Made in European Union (EU).

### (\*) Control Commands:

The SMS Communication will show on controller's mobile screen:

STATUS, PHONE NETWORK STATE, COMMAND LIST, CONFIGURATION AND PARAMETERS, QUALITY SIGNAL, BLINK RATE,...

NOTICES / WARNINGS FROM BEACON: LOW BATTERY, LED ERROR, STATUS GROUP, etc...



### Other Components:

GRPS Module Incorporated.

External battery box IP 66, wired to beacon.

External extra solar Panel 6W

Safety\_ Level 3 Reflector added to the casing, Efficient and secure Anchor system, with antitheft device.



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